

Applicant Anton Kagan

Serial number: 08/872,499

Filing date: 06/09/97

For: FAN FILTER WITH FASTENING MEANS

Examiner: Mr. CHARLES S. BUSHEY

Art Unit: 1724



1724,  
#7  
9/12/98  
B

DATE MAILED:

8/28/98

Anton KAGAN

735 Broadway Street

Lowell, MA 01854

(978) 970-2331

# RESPONSE TO THE OFFICIAL ACTION

To the Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

In response to the Official Action of 08/20/98, paper No. 6:

Applicant elected a single disclosed species: species A:

Figs. 1-5.

The very crux of present invention "Fan filter with fastening means" ( Application Control Number: 08/872,499, Art unit 1724) is applying the cable tie in conjunction with one part of VELCRO fastener (loop-threaded sheet or hook-threaded sheet)\* for securing the air filters designed to be placed at a definit distance beyond the periphery of the primary airflow which is created by an operating fan.

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\* One part of VELCRO fastener constantly attached to a stop zone of cable tie.

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The cable tie exhibit a high long term tensile strength, has a self-locking device which 'don't require any tool, and can, with low strap insertion force to pass through very small slot, for example through two child resistant mesh (each mesh has wide 2mm) safety grilles of 10" oscillating an Euro Fan in direction shown by arrow A ( see Fig.1 ) or through a long passage between two safety grilles of 6" turbo fan in direction shown by arrow B ( see Fig.2 ).

VELCRO fastener exhibit capability to provide a fan filter quickly and easily removable from the fan to permit to the

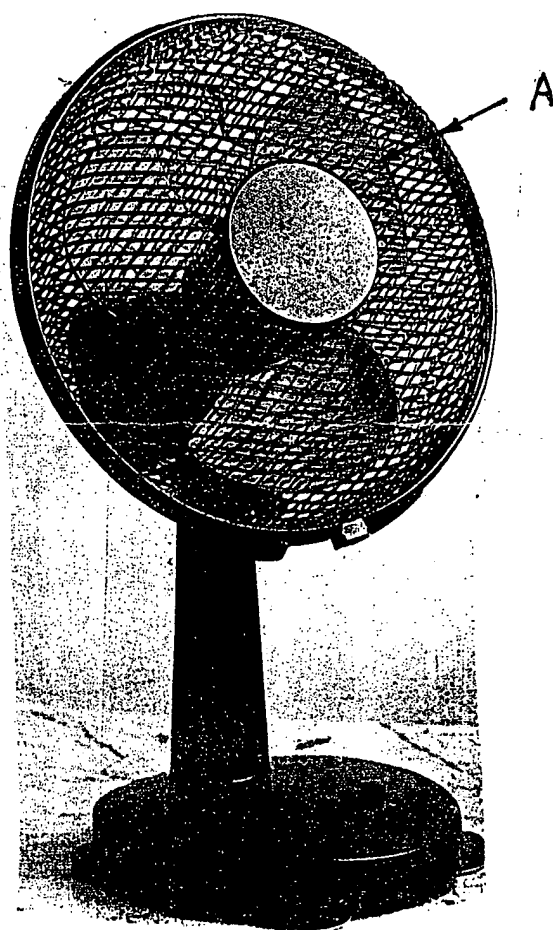


Fig.1

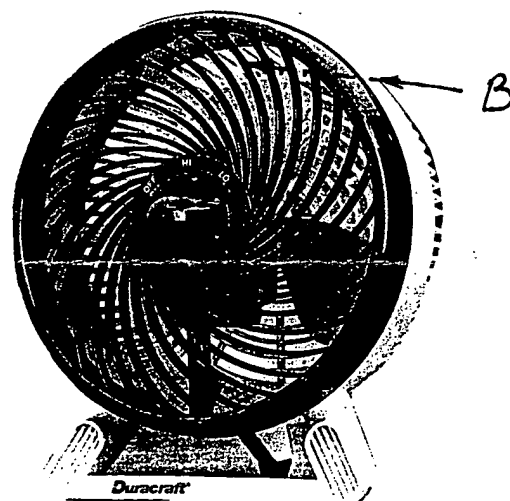


Fig. 2

fan filter to be readily cleaned or replaced.

Invented fastening mean provide the advantage of both technologies. The results achieved by combination of the cable tie and the VELCRO fastener are greater than the function of its individual components <sup>(synergistic effect)</sup> because the cable tie permit the

fan filter to be readily cleaned or replaced, and a part of VELCRO fastener acquire the opportunity to be firmly attached to different patterns of fan including the new ones which have a child resistant mesh safety grilles <sup>OR</sup> and long passage between two grilles ( see Fig.2 ). Besides that, a combination of the cable tie and the parts of the VELCRO, and using it for air filter fastening operates quite differently and weren't SUGGESTED OR SHOWN IN THE PRIOR ART.

Very respectfully,

Applicant:

Anton Kagan

*Anton Kagan*  
8/28/98

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I hereby certify that this paper 3 pages being deposited with the United States Postal Service using "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner of Patents and Trademarks, Washington, DC 20231."

Signed:

ANTON KAGAN *Anton Kagan*

Inventor